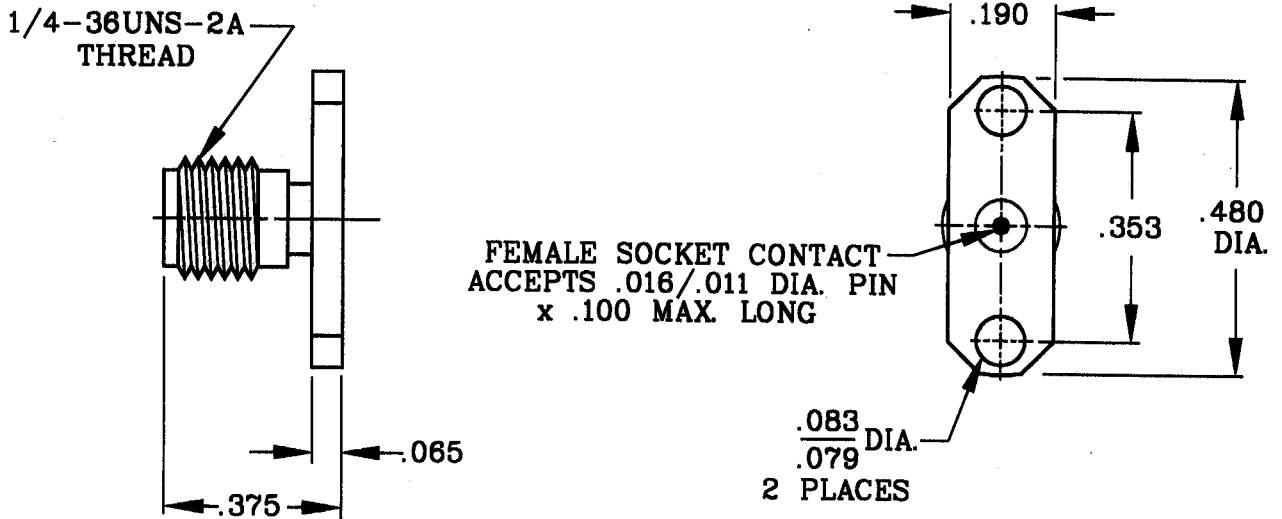


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS FOR SMA JACK per MIL-STD-348 (Fig. 310-2).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX) *	_____	1.05 + .006 x FGHz
INSERTION LOSS (dB MAX) *	_____	.035 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 INCORPORATED GEORGETOWN MA. 01833
AA	99-0208	3/11/99	DGG	DECIMALS .X ± .030 .XX ± .010 .XXX ± .006	FRACTIONAL 3/64	ANGULAR X ° ± 1 0' X ° X' ± 15'	
				DRAWN <i>TS</i>	DATE 3/11/99	TITLE FIELD REPLACEABLE, SMA, JACK, 2 HOLE FLANGE .355 HOLE SPACING	
				APPROVED <i>DGG</i>	DATE 3/11/99		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO.	9952-0081-6273

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
MAX. AXIAL FORCE _____ 6.0 LBS.
MAX. RADIAL TORQUE _____ N/A
CENTER CONTACT AXIAL FORCES
● INSERTION (MAX. OUNCES) _____ INTERFACE 32.0; REAR 32.0
● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0; REAR 1.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) — 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 °C TO + 200 °C)
SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)
VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (20 G's)
MOISTURE RESISTANCE _____ MIL-STD-202, METHOD 106, LESS STEP 7b
CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)
BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (190 VRMS)

5. MATERIAL

BODY _____ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A
CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS-C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER ASTM D 4894-91.

6. FINISH

BODY _____ PASSIVATE PER QQ-P-35A, TYPE I.
CONTACT _____ GOLD PER ATSM B 488, TYPE 2, CODE C, CLASS 2.5
(.000010 MIN. THK.) OVER NICKEL PER QQ-N-290
(.00010 MIN. THK.) OVER COPPER PER MIL-C-14550
(.000040 MIN. THK.).
INSULATOR _____ N/A

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SHEET 2 OF 2

DWG.
NO.

9952-0081-6273

REV.

AA